DOCUMENT RESUME

ED 089 809 JC 740 118

AUTHOR Goldman, Phyllis P.
TITLE CLEP--Is It Alive, Well, and Living in California? A Survey of CLEP Acceptance and Use in California Colleges.
PUB DATE 24 Apr 74
NOTE 19p.

EDRS PRICE MF-$0.75 HC-$1.50 PLUS POSTAGE
DESCRIPTORS *Administrative Policy; *College Credits; Community Colleges; *Equivalency Tests; Questionnaires; State Colleges; Surveys

ABSTRACT

This report summarizes the responses to a questionnaire investigating Spring 1974 practices regarding credit awarded by the three levels of state-supported colleges throughout California for satisfactory completion of various College-Level Examination Program (CLEP) examinations. The results indicate that the majority of reporting state colleges and universities and UC campuses grant credit in specific exam areas, while the majority of community colleges do not. Of the 65 colleges that returned questionnaires, 63 reported at least one CLEP exam. An appendix provides the questionnaire responses. A copy of the questionnaire used is included. (DB)

ED 089809

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

-CLEP-

IS IT ALIVE, AND WELL, AND LIVING IN CALIFORNIA?

A Survey of CLEP Acceptance and Use in California Colleges

JC 740 118

Phyllis A. Goldman
Testing Office
Contra Costa College
April 24, 1974

CLEP--IS IT ALIVE, WELL, AND LIVING IN CALIFORNIA?

What is it and Why?

Many California Colleges at all 3 levels are currently wrestling with the philosophical question of whether or not it is appropriate to grant college credit for knowledge obtained other than through the normal college degree program, and if so, with the practical question of how is this best done.

Some degree of offical encouragement has recently come from both the State and Federal Offices of Education to grant credit to adults based on their previous experience and independent learning. In this was it is believed adults will not feel that further education is denied to them because of the length of time and financial resources necessary to complete the standard degree program.

In order to grant credit, however, the colleges need some recognized standard to judge whether an applicant for credit has achieved the equivalent of a particular college course.

The 3 nationally recognized testing programs usually used to establish such standards are the Advanced Placement Tests, and the College-Level Examination Program (CLEP), both developed and produced by the CEEB-ETS group, and the College-Level GED tests. The Advanced Placement Tests, however, are intended primarily not for adults but for high school seniors taking the coordinated Advanced Placement coursework in their high school's, while the GED covers only broad general-education lower division requirements.

CLEP is one of the most recent nationwide, standardized testing programs, with 5 general fields and over 40 specific subject exams, and covers the widest range of college-level subjects. Therefore, it is potentially significant in any move toward implementing the concept of the external degree, as well as in the more immediately pressing issue of shortening the length of time needed to reach the degree by regularly enrolled college students. Information regarding its use and acceptance among the 3 state college systems is vital if students and members of the community, as well as the colleges themselves, are to plan effectively for continuing information.

Who Uses It?

This report summarizes the responses to a questionnaire investigating current (Spring 1974) practices regarding credits awarded by the three levels of State-supported colleges throughout California for satisfactory completion of various CLEP examinations.

The questionnarie, Appendix A, was sent in February 1974, to the Admissions Officers of all public colleges, UC Campuses and Community Colleges in California. The results, college by college, form Appendix B and are so detailed for the value of the feelings and information contained in their comments.

The over-all results indicate that certain generalizations can be made. However, the comments formed in Appendix B reveal that the current CLEP situation is very fluid. Table I lists the number of colleges at each level granting credit for each of the General Exams and/or at least one Subject Exam; the Table also shows the number of colleges with a policy of not granting credit and those with no current policy regarding CLEP.

TABLE I

COLLEGES GRANTING CLEP CREDIT

		GENERAL EXAMS							
		Engl	Human	Math	Nat. Sci.	Soc. Sci.	Subject Exam	No Policy	No Credit
A. CSUC System N=15	N	6	10	7	9	11	10	2	2
	%	40	67	47	60	73	67	13	13
B. UC System N=7	N	0	7	0	7	7	6	0	0
	%	0	100	0	100	100	86	0	0
C. CC System N=66	N	28	28	28	28	29	17	17	17
	%	42	42	42	42	44	26	26	26
D. *Unindentified N=15	N	7	8	7	9	8	5	4	4
	%	47	53	47	60	53	33	27	27
TOTAL N=103	N	41	53	42	53	55	38	23	23
	%	40	51	41	51	53	37	22	22

*Those questionnaires returned lacking the covering letter, which identified the college, or any other clue to its identity. 2=CSUC, 1=U.C.

The results indicate that the majority of reporting State Colleges and Universities and UC campuses grant credit in specific exam areas, while the majority of community colleges seem not to. A college-by-college inspection, however, shows this survey a bit misleading since those colleges not granting credit in one area may do so in another, while other colleges reverse the credited areas. The above summary might, therefore, suggest one college granting credit in all six areas, whereas in fact six different colleges could be involved, each in only one exam area. Table 2 gives a clearer picture of the actual number of colleges granting some form of CLEP credit for either General or Subject Exams or both.

TABLE 2

COLLEGES CREDITING
AT LEAST ONE CLEP EXAM

	N	%
A	11	73
B	7	100
C	38	58
D	9	60
Total	65	63

A majority of these colleges reporting from each system does in fact allow some CLEP credit, including several colleges which have no formal policy for so doing.

How is it being used?

The majority of colleges granting credit do so for purposes of admission and general education requirements and electives rather than for major credit. The UC and CSUC systems were unanimous-again, for those reporting-in allowing no credit toward major requirements. Twenty per cent of the community colleges granted some major credit, but usually with restrictions and at the discretion of individual departments.

Credit for individual general exams varied widely-much more widely within the CSUC and CC systems than is indicated by the numbers in Table 1. The closest to unanimous credit awarding is in the Social Science general exam, with most colleges granting both General Education credit and American Institutions equivalency. Humanities and Natural Science are the next most accepted, though not unanimously, while the

greatest variation occurs in the English and mathematics sections. The UC campuses grant no credit for these, while fewer of the State colleges accept these two then any of the other general or subject exams. The State colleges have instead been experimenting with the English Equivalency Examination, developed jointly by CLEP and the Chancellors Office. The figures for the CC's indicate that all 5 general examinations have equal acceptance, but an inspection of the individual college's reports shows less consistency. Some CC's accept only the English, others accept all but English, etc. The tendency is greater, though, than in the UC and CSUC systems to grant across-the-board general examination credit if any credit at all is approved.

Subject exams are more likely to be accepted at the 4 year + college level than at the community college. Only 45% of the CC's granting general examination units also accepted the subject examinations, while 91% of the CSUC and 86% of the UC campuses allowed such credit. Practically all the colleges granting subject examination units specified that the final decision is left to the departments.

Maximum credit allowed toward graduation tended to reflect the granting of 6 semester units per general examination, for a total of 30. Of those colleges indicating a limit, 30 (or 45 quarter units) was the number most frequently cited. The range, however, runs from 3 semester units to unlimited.

What about next year?

Here the comments revealed that the situation next year is likely to solidify a bit, but the direction is still unsettled. Many CC's are awaiting clearer trends at the Senior college levels before adopting their own policies.

Both the CSUC and the UC systems this year have been working on policies to be commonly adopted within each system, to be implemented hopefully for Fall 1974. They have not, however, worked together, so that two quite different policies may be expected.

The School of Letters and Science of UC has just completed and adopted a new CLEP policy. However this applies only to L & S not necessarily to any other School or division.

1. The General Examinations in humanities, natural sciences, and social sciences will receive 10 Quarter units each with a score of at least 500.
2. The English and mathematics examinations will not be accepted.
3. The CSUC-CLEP English Equivalency Examination may be accepted only if the student received credit for it from a CSUC college at which he was enrolled. This acceptance may differ from UC campus to campus.
4. Subject examinations will be granted 5 - 10 quarter units if the content is judged equivalent to that on the university level.
5. The credit granted, except possibly for the English Equivalency Examination, will be classified as "Non L & S" credit, of which the L & S student is allowed only 18 quarter units out of the 180 units required for graduation.

In effect, UC Letters and Science is discouraging use of CLEP to advance a student toward his degree.

The CSUC Chancellor's Office with various Statewide Faculty Committees has been working for two years to develop a unified policy. Such a policy is expected to be completed and adopted within the next few months, but has not yet been completely delineated.

The procedure has been to charge various faculty committees with investigating the appropriateness of each general and subject examination for approval of credit. Once approved, a watchdog committee will continue to oversee its suitability.

It is likely that the English Equivalency Examination will be substituted for the current CLEP English Examination, since there has been system-wide use of and research into it this year, and since it was developed by the CSUC English Faculty jointly with CLEP.

While particulars are not yet available, the work done by CSUC on CLEP appears to indicate that a number of the examinations will be accepted for credit toward the degree.

Is CLEP Alive, etc?

The UC - L&S revised policy will be a definite blow both to the CLEP-ETS organization and to those who had hoped that colleges would start to encourage speeded up student progress toward degrees. While the L&S policy is not intended to apply to all Schools in the UC system, L&S does represent a substantial portion of community college transfers and of total students enrolled in UC, and its influence is significant in developing overall University policy.

It is not clear whether the new policy reflects a substantial disagreement with the concept of credit for independent learning or is a judgment of the CLEP examinations. It would be helpful to the other two college systems, as well as to CLEP itself, to know which of these influenced the new policy.

The past few years' experience of the CSUC system with CLEP as it shows in the policy to be adopted will undoubtedly be influential in determining the course of action taken by the community colleges. While community colleges traditionally are independent of the Senior colleges in their philosophy and functioning, it is inevitable that they take into account the transfer colleges' practices in the awarding of academic credit.

Therefore, whatever decisions are reached by the CSUC system are very likely to foretell the life expectancy of CLEP as well as indicate the academic climate regarding continuing education for adults.

APPENDIX A

CLEP QUESTIONNAIRE

		COMMENTS
No Policy established		
No credit allowed		

		Credit for Admission only	Credit for Admission & G.E.	Credit for Major	Depends on Major Dept.
GENERAL EXAMS					
English Composition	YES				
	# Units Allowed				
Humanities	YES				
	# Units Allowed				
Mathematics	Yes				
	# Units Allowed				
Natural Science	Yes				
	# Units Allowed				
Social Science	YES				
	# Units Allowed				
SUBJECT EXAMS	YES				
	# Units Allowed				
	Depends on Subject				
OTHER PRACTICE (Please specify)					

Maximum units of credit allowed for CLEP _____

Please send a copy of the results _____.

Name of person to call for further information regarding CLEP policies and practices of your campus _____

YOUR NAME _____ POSITION _____

APPENDIX B

CLEP QUESTIONNAIRE RESPONSES

Y=yes
N=no
U=units
Q=quarter units
*=see comments
Cr.=credit
Tr.=transfer
m=maxium

	Credit for Admission Only	Credit for Admission & G.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No policy Established	No Credit Allowed	COMMENTS
A. State Colleges and Universities													
Bakersfield		Y		N	10Q	10Q	10Q	10Q	5U per subj.				No Cr. for Engl. Comp. exam, although we are using the test developed by the CSCU system.
Chico		Y		N	6	N	N	6	*	12			Depends on major dept. Final policy awaiting State Univ. and Coll. Study.
Dominguez Hills	Y	Y	N	9Q	2Q	N	4Q	4Q	Y	45Q			Depends on Dept. Subject exam.
Fresno		Y	N	3	6	6	6	6	Y	30			Subj. exam depends on dept. G.E. exams must be passed with scaled score of 500 for Cr.
Hayward											X		Hope to have policy on CLEP shortly.

	Credit for Admission Only	Credit for Admission & G.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
Humboldt									9Q*			X*	CLEP accepted from other colleges Subj. exam 9Q G.E. for Engl. Equiv. Exam.
Long Beach											X		As of this date
Northridge	N	N	N	*	N	N	N	N	6 per area				Only by CSUC special exams
Sacramento	N	Y	N	6	6	3	6	6	3-5	30			CLEP credit given from other colleges but not given directly.
San Bernardino		Y	N	N	10Q	*5Q	10Q	10Q	Y	*			For 1973 exam only. No. of U for subj. exam as recommended, no limit. 35 U total for General.
San Diego		Y	N	6	6	6	6	6	N	30			
San Francisco	N	N	N	*	N	N	N	Y					U.S. History & gov.'t accepted for 6U American Inst. Calif. Fresh. Engl. Exam--6U
San Jose	Y	Y	N	6E	6	6E	6	6	Y				Depends on major dept. E=elective. Only adm. cr. Engl. & Math
Stanislaus		Y	N	6	6	6	6	6	Y	*30			30U G.E.--subj. exams. Depends on major dept. No limit

	Credit for Admission Only	Credit for Admission for G.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
Calif. Poly., San Luis Obispo		Y			9		9	9	Y				1-4Q for each subj. exam 50+
B. U.C. Campuses													
Berkeley	Y		N	N	10Q	N	10Q	10Q	*5-10Q				If content for subj. exam=Univ. level. Change expected for fall 1974.
Davis	N	N	N	N	*	N	*	*	Y				After adm. 10Q U Score 500+
Irvine	Y			N	10	N	10	10	*				G.E.--10U of cr. for each exam (Engl. & Math excluded), 500+. Subj. exams--cr. granted if exams= University level, score 50+
Los Angeles	Y			N	10Q	N	10Q	10Q	*5-10Q				Score 500+. In general, U will be deducted from exam cr. where appropriate college prep. for the exam is evident.

	Credit for Admission Only	Credit for Admission & Major	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
Santa Cruz		Y	N	N	*	N	*	*					10Q U for score of 500+--score of 500 or better 5Q U is given in Humanities- History is considered a Humanities.
San Diego	Y		N	N	10Q	N	10Q	10Q	5-10Q*				Only those which are appropriate to the U. C. Degree. Only 21 U applied to tr. students eligibility for adm. 500--G.E. 50+--Subj. Exam.
Santa Barbara		Y		N	10Q	N	10Q	10Q	5 to 10Q				
C. Community Colleges													
Allen Hancock		Y		6	6	6	6	6	Y	30			Depends on dept.
American River		*											Currently working on a policy--maximum 30 U tr. G.E. granted.
Antelope Valley				Y									Waiting for uniform policy from State College & Univ. System.

	Credit for Admission Only	Credit for Admission & C.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
Barstow	Y			9Q	9Q	9Q	9Q	9Q	Y*	**			*Depends on subj. **Unlimited
Butte											X	X	
Cabrillo											X	X	Policy under review.
Canada				6									Engl. 1A-B only.
Cerritos											X	X	
Chabot												X	Accepted only if granted by previous college.
Chaffey		Y	Y	N	8Q	8Q	8Q	8Q	4Q				Essay required Engl. Comp. Verbal Language exam.
Citrus												X	
City College San Francisco		Y		6	6	6	6	6	N	30			
College of the Canyons											X	X	Policy under discussion
College of the Desert		Y	N	6	6	6	6	6	N	30			General Education areas--50%ile or higher
College of the Redwoods				N	N	N	N	N	Y	18			Depends on dept.

	Credit for Admission Only	Credit for Admission & G.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
College of San Mateo											X	X	
College of the Sequoias	Y	Y	Y	3-6	3-6	3-6	3-6	3-6	N	30			
College of the Siskiyous		*	*	6						6			Only six units of English o.k. at this time.
Columbia											X		Full cr. normally given.
Compton											X	X	
Contra Costa	Y	Y	Y	3	Y	Y	N	Y	Y	30			Depends on dept. U other than Engl. unspecified. Policy under review.
Cosumnes River		Y		6	6	6	6	6		15			No tr. G.E.--tr. for Engl. & Social Science credit, no consitution or govern. cr. for tr.
Crafton Hills											X	X	
Cuesta				N	N	N	N	N	Y	12			Cr. given for subj. exams only.
Cypress													Depends on dept.

	Credit for Admission Only	Credit for Admission & G.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject (# Exams Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
De Anza				9QE	9Q*	9QE	9Q**	9Q**		45Q			*Must take 1 other course in this area. **Doesn't fulfill Amer. Inst. requirement. Must complete 1 other course with lab. in this area. Students are encouraged to request cr. from 4 yr. tr. sch. instead of J.C. to assure tr. cr.
Diablo Valley												X	
East Los Angeles	Y			3	3	3	3	3		15			Cr. for adm. & A.A. policy estab. 3/14/74.
Foothill				9Q	9Q	9Q	9Q	9Q					With score of 500+. Cr. for G.E. depends on dept.
Fresno City											X		
Fullerton												X	
Gavilan		Y	N	9Q	9Q	9Q	9Q	9Q	Y*	45			Same as given for similar course taught on campus.

	Credit for Admission Only	Credit for Admission & G.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
Glendale	*	*	*	6	6	6	6	6		30			Elective cr. only for G.E. exams; but may petition for major cr. G.E. cr. for subj. exams. Cut-off scores depend on test.
Golden West	Y				6	6	6	6	Y	24			Depends on dept.
Hartnell	Y	Y	N	N	6	6	6	6	Y				As recommended elective credit only.
Laney												X	
Lassen												X	
Los Angeles City		Y	*						Y	45			Cr. for tr. majors not terminal majors. Depends on dept.
Los Angeles Valley											X	X	L.A. City College system: a committee is now working to develope a CLEP policy for all 8 L. A. Community Colleges.
Merritt			*	N	N	N	N	N	*		*		Depends on dept.- no direct CLEP policy.
Miracosta		Y	Y	6	6	6	6	6	Y *	30			Depends on subj.

	Credit for Admission Only	Credit for Admission & G.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No Policy Established	No Credit allowed.	COMMENTS
Modesto												X	
Monterey Peninsula	Y	*	*	3	3	3	3	3	N	15			Cr. for G.E. & cr. for major in Engl. only. (for scores of 500+ -- 3U of cr.
Mt. San Antonio												X	
Napa		Y		Y	Y	Y	Y	Y					# of U unspecified.
Ohlone											X		Under study.
Pasadena City	Y	N		6	6	6	6	6	N	30			Engl. cr.=6 elective U or Engl. 1A equiv.
Porterville		Y		3	6	N	6	6	Y	30			Depends on subj.- student must be enrolled for cr. Letter grades given for stated scores.
Reedley											X	X	
Sacramento City		Y		6	6	6	6	6	Y	30			Engl. comp., Math, Soc. Sci. no tr. G.E.
San Diego Evening												X	
San Diego Mesa											X	X	

	Credit for Admission Only	Credit for Admission & G.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
San Jose City		Y	Y	3						3			Cr. given for Engl. only.
Santa Ana		Y	Y*	3	3	3	3	3	Y	30			Cr. for major in Engl. and subj. exams. General exams-15 cr. hr. U. Specific exams-15cr. hr. U.
Santa Barbara City		Y		6	6	6	6	6		30			New cut-off score 25%ile.
Santa Monica		Y	Y	3	6	3	6	6	3per subj.	30			
Shasta													Only Reading & Comp. tests admin. last May recognized. Other CLEP not granted for U.
Sierra											X	X	Concerned that CLEP could remove individual college's autonomy in awarding U & grades (+ lower ADA),
Skyline	Y	N		3	3	3	3	3	N				
Solano		Y		3	3	3	3	3	Y				Depends on dept.

	Credit for Admission Only	Credit for Admission & G.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
Southwestern											X	X	
Taft											X		No policy as of now--it is under study by faculty.
Venture												X	
Victor Valley		Y		N	N	6	6	6	Y	32			15 U total allowed for subj. exams.
West Hills		Y		N	6	6E	6	6E	N				E=electives Cr. for Community College major.
West Valley		Y	Y	3-6	3-6	3-6	3-6	3-6		12			
D. Unidentifiable													
#1											X	X	
#2												X	
#3	N	Y*	Y	6	6	6	6	6	Y	30			G.E. only. Engl. only on subj. exam.
#4											X		Excutive order pending--should be out--Spring 74.
#5											X	X	
#6		Y	N	6	6	6	6	6	N	30			
#7		Y	N	6	6	6	6	3	N	30			History max.-3

	Credit for Admission Only	Credit for Admission P.E.	Credit for Major	English Composition (# Units Allowed)	Humanities (# Units Allowed)	Mathematics (# Units Allowed)	Natural Science (# Units Allowed)	Social Science (# Units Allowed)	Subject Exams (# Units Allowed)	Total Units Allowed	No Policy Established	No Credit Allowed	COMMENTS
#8	N	Y	N	3	N	5	4	N	Y	30			Subj. exam--Bio. sci. only.
#9	N	Y	N	6	6	6	6	6	N	30			
#10												X	
#11	Y	N	N	N	9Q	N	9Q	9Q	N				27Q U toward A.A. for CLEP taken through USAFI only.
#12		Y		3	6	3	6	6	*				Depends on dept. Must complete at least 12 U in residence except military personnel. 50%ile or above mean score for "C" grade or above.
#13											X		CLEP used in Re: to Navy & Marine Corps prototype plans & recent graduate of C.C. Adult Division PREP. Project. A score at the 40%ile is required.
#14		Y		6	6	6	6	6	15	45			
#15		Y		N	10Q	N	10Q	10Q	Y				Subject exams 3-10Q U for acceptable subj. exams.

UNIVERSITY OF CALIF.
LOS ANGELES
MAY 1 1974
CLEARINGHOUSE FOR
JUNIOR COLLEGE
INFORMATION